



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1761

Target pathogen: Hop Latent Viroid

17 May 2024



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 05/15/2024  
**Date Received:** 05/16/2024  
**Date Reported:** 05/17/2024  
**Total samples:** 75

**NUMBER SAMPLES INFECTED:** 0

**Results interpretation:**

**C<sub>T</sub> (cycle threshold)** - number of PCR cycles to detect the target. Lower indicates more pathogen in sample.

**Control** - Amplification of cannabis control gene. Less than 35 cycles indicates an acceptable sample quality and robust PCR amplification. Above 35 cycles indicates poor sample quality.

FRESH: <24 - 27 C<sub>T</sub>  
EXCELLENT: 27 - 30 C<sub>T</sub>  
GREAT: 30 - 32 C<sub>T</sub>  
OKAY: 32 - 35 C<sub>T</sub>  
FAIL: >35 C<sub>T</sub>

**HLVd** - Detection C<sub>T</sub> and relative amount of HLVd in the sample:

HIGH: <15 - 20 C<sub>T</sub>  
MEDIUM: 21 - 28 C<sub>T</sub>  
LOW: 29 - <35 C<sub>T</sub>  
INCONCLUSIVE: >35 C<sub>T</sub>

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
.Positive 1	-	23.97	-	+
.Positive 2	-	-	25.25	+
Acai Gelato 42431	23.96	-	-	-
Acai Gelato 42432	25.31	-	-	-
Acai Gelato 42433	27.4	-	-	-
Acai Gelato 42434	28.32	-	-	-
Acai Gelato 42435	27.89	-	-	-
Acai Gelato 42436	30.46	-	-	-
Apples & Bananas 42437	28.97	-	-	-
Apples & Bananas 42438	29.16	-	-	-
Apples & Bananas 42439	29.39	-	-	-
Apples & Bananas 42440	27.49	-	-	-
Apples & Bananas 42441	29.56	-	-	-
Blue Dream 42305	28.06	-	-	-
Blue Dream 42307	29.14	-	-	-
Carbon Fiber 42442	27.2	-	-	-
Carbon Fiber 42443	28.79	-	-	-
Carbon Fiber 42444	26.57	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Carbon Fiber 42445	26.97	-	-	-
Carbon Fiber 42446	28.45	-	-	-
Carbon Fiber 42447	27.71	-	-	-
Cereal Milk 42448	27.84	-	-	-
Cereal Milk 42449	28.77	-	-	-
Cereal Milk 42450	28.6	-	-	-
Cereal Milk 42451	26.5	-	-	-
Cereal Milk 42452	27.99	-	-	-
Cereal Milk 42453	27.55	-	-	-
Cereal Milk 42454	28.3	-	-	-
Cereal Milk 42455	28.53	-	-	-
Cream Filling 42456	28.42	-	-	-
Cream Filling 42457	27.17	-	-	-
Cream Filling 42458	27.9	-	-	-
Cream Filling 42459	27.74	-	-	-
Cream Filling 42460	28.1	-	-	-
Cream Filling 42461	29.13	-	-	-
E85 42462	27.79	-	-	-
E85 42463	27.88	-	-	-
E85 42464	29.74	-	-	-
E85 42465	30.06	-	-	-
E85 42466	27.64	-	-	-
E85 42467	28.37	-	-	-
E85 42468	27.93	-	-	-
E85 42469	27.59	-	-	-
E85 42470	27.42	-	-	-
Goofiez 42476	29.4	-	-	-
Goofiez 42477	30.09	-	-	-
Goofiez 42478	29.96	-	-	-
Goofiez 42479	29.73	-	-	-
Goofiez 42480	28.85	-	-	-
Goofiez 42481	29.6	-	-	-
Grape Gasoline 42482	28.06	-	-	-
Grape Gasoline 42483	26.94	-	-	-
Grape Gasoline 42484	27.9	-	-	-
Grapes & Cream 42485	29.37	-	-	-
Grapes & Cream 42486	27.95	-	-	-
Grapes & Cream 42487	26.21	-	-	-
Grapes & Cream 42488	27.69	-	-	-
Ice Cream Cake 42489	27.92	-	-	-
Ice Cream Cake 42490	28.41	-	-	-
Ice Cream Cake 42491	28.79	-	-	-
Ice Cream Cake 42492	30.01	-	-	-
Jokerz 42493	28.42	-	-	-
Jokerz 42494	27.93	-	-	-
Jokerz 42495	28.06	-	-	-
Jokerz 42496	27.14	-	-	-
Jokerz 42497	27.68	-	-	-
Jokerz 42498	29.3	-	-	-
Jokerz 42499	28.4	-	-	-
Jungle Juice 42500	27.88	-	-	-
Jungle Juice 42543	28.62	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Jungle Juice 42544	29.43	-	-	-
Jungle Juice 42545	29.84	-	-	-
Jungle Juice 42546	28.96	-	-	-
Mule Fuel 42539	27.93	-	-	-
Mule Fuel 42540	28.07	-	-	-
Mule Fuel 42541	28.99	-	-	-
Mule Fuel 42542	28.86	-	-	-

**Amplification Plots:**

RED = Control, GREEN = HLVd target #1, and BLUE = HLVd target #2























